Figure 1

Specific Polyclonalantibodies for ING2 and ING1 by ELISA
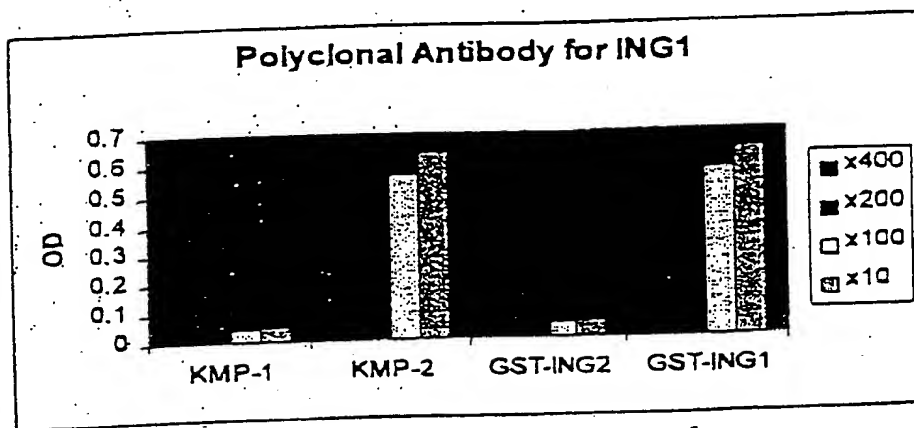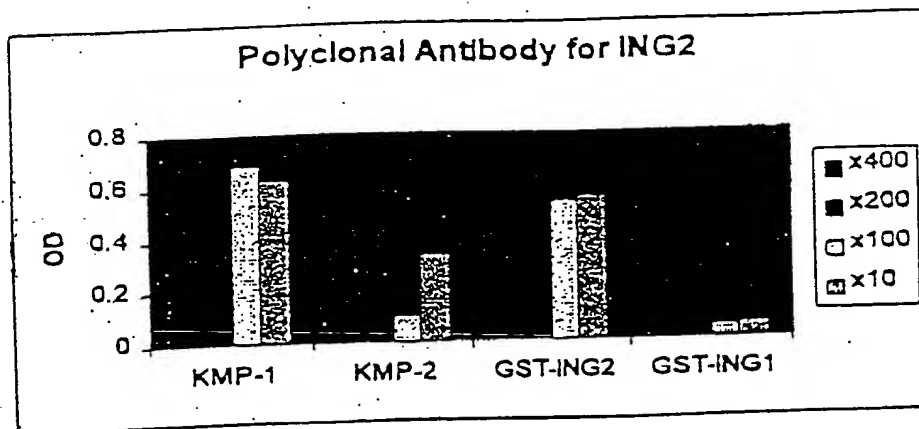
Polyclonal Antibody for ING2

Polyclonal Antibody for ING1
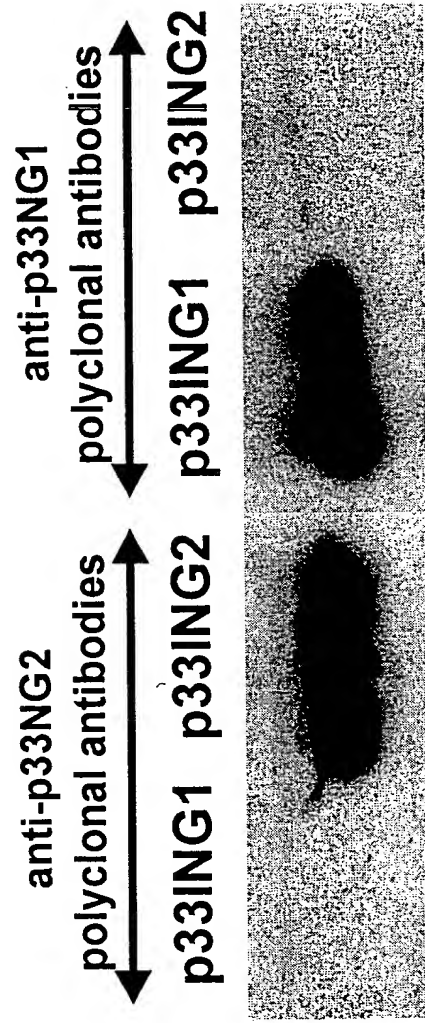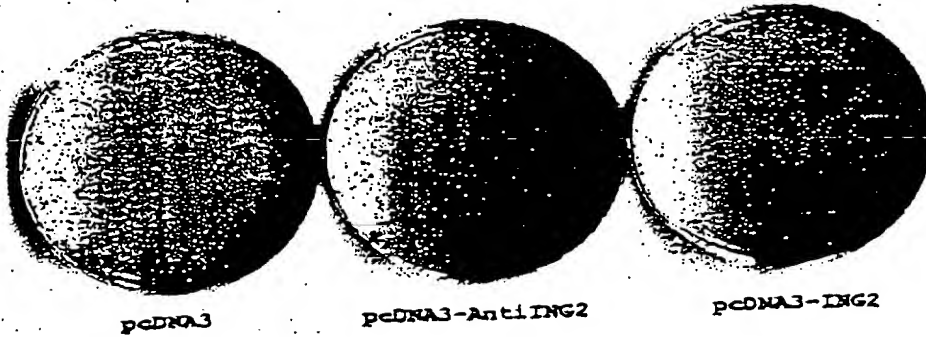
Figure 2

Figure 3

ING2 inhibits cell growth of HCT116 cell line by Colony Formation Assay.

We constructed ING2 and anti-ING2 mammalian expression vectors (CMV promoter, Neomycin resistant). We transfected them into human colon cancer cell line, HCT116. Transfected cells were selected by Neomycin and ING2 inhibitory effect for cell growth was determined by Colony Formation Assay.

HCT116: human, hereditary non-polyposis colon cancer cell line, wt p53
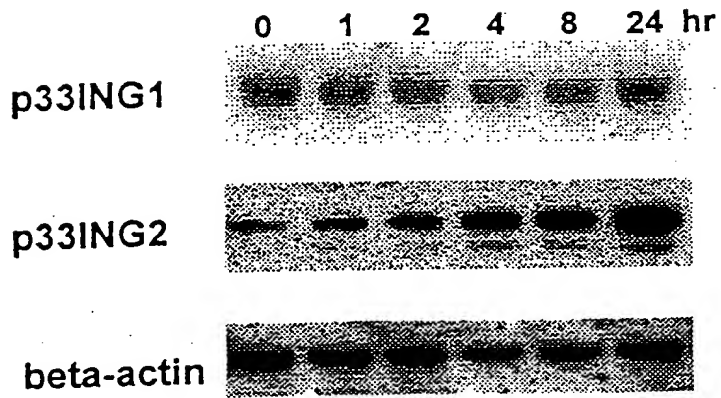

pcDNA3	pcDNA3-AntiING2	pcDNA3-ING2

Colony number   +++   +++   +

Figure 4
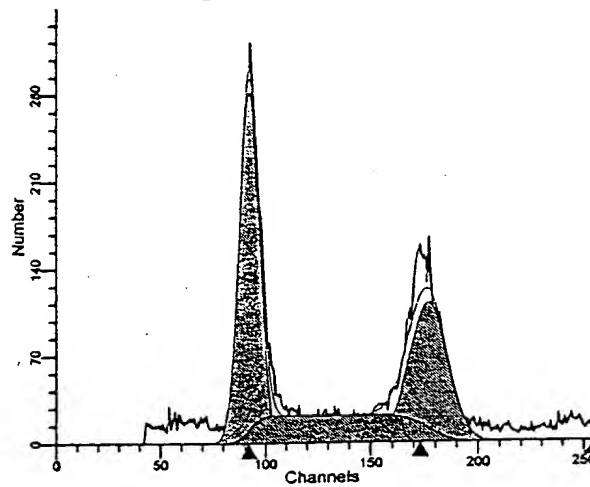
p33ING2 protein was induced by topoisomerase II inhibitor, etoposide.
(p33ING1 was not induced.)
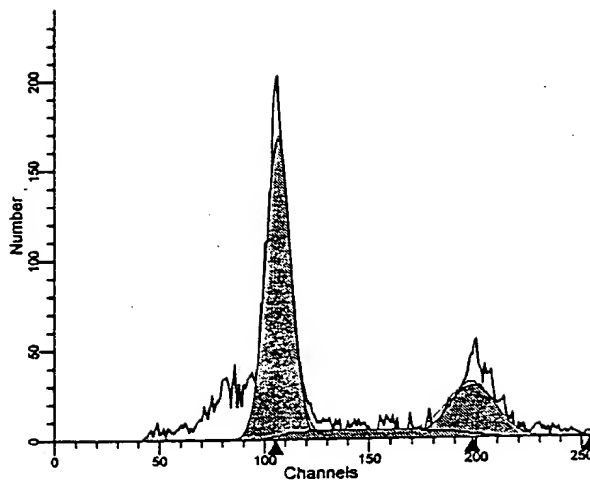
Figure 5

RKO
pcDNA3.1 (control)

Sync Wizard Model

Date acquired: 20-Jul-99
File: RKO P 4-1ug 2days
Source: RKO P 4-1ug 2days
Case: PATIENT ID
Analysis type: Manual analysis
Prep: Unknown

G0G1:
 43.13 %   Mean: 92.50
 CV: 5.03 %
G2M:
 32.50 %   Mean: 176.68
 G2/G1: 1.91
S-Phase:
 24.38 %   Mean: 134.93

 Compartment 1: 24.38 %

Modeled Events: 7660
RCS: 5.831

RKO
p33ING1

Sync Wizard Model

Date acquired: 20-Jul-99
File: RKO ING1 4-1ug 2days
Source: RKO ING1 4-1ug 2days
Case: PATIENT ID
Analysis type: Manual analysis
Prep: Unknown

G0G1:
 67.14 %   Mean: 106.56
 CV: 5.60 %
G2M:
 21.67 %   Mean: 198.20
 G2/G1: 1.86
S-Phase:
 11.18 %   Mean: 152.86

 Compartment 1: 11.18 %

Modeled Events: 3732
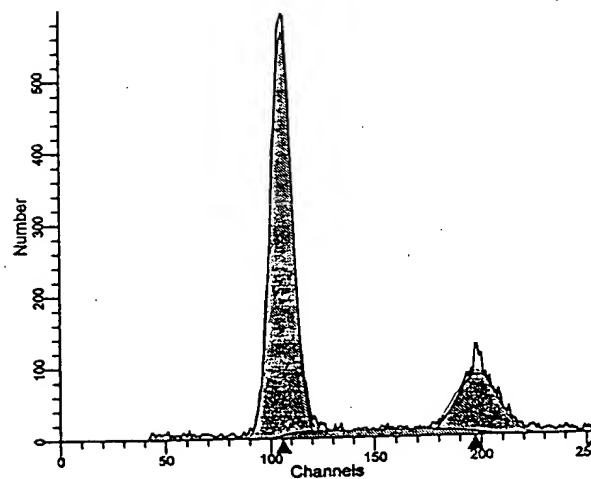RCS: 4.762

RKO
p33ING2

Sync Wizard Model

Date acquired: 20-Jul-99
File: RKO ING2 4-1ug 2days
Source: RKO ING2 4-1ug 2days
Case: PATIENT ID
Analysis type: Manual analysis
Prep: Unknown

G0G1:
 71.18 %   Mean: 105.88
 CV: 4.77 %
G2M:
 19.97 %   Mean: 198.00
 G2/G1: 1.87
S-Phase:
 8.85 %   Mean: 152.28

 Compartment 1: 8.85 %

Modeled Events: 10047
RCS: 3.209